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- 1**

 The relational/network Hybrid data model for Design Automation Databases
 Mark N. Haynie
 Proceedings of the eighteenth design automation conference on Design automation June 1981
 The three traditional database data models (relational, network and hierarchical) fail to satisfy certain "real world" database problems, particularly in large engineering applications. A Hybrid relational/network data model is proposed based on certain requirements of an example Design Automation (CAD/CAM) application.
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 Accessing strategies: Maintenance of views
 Oded Shmueli , Alon Itai
 Proceedings of the 1984 ACM SIGMOD international conference on Management of data June 1984
 In relational databases a *view definition* is a query against the database, and a *view materialization* is the result of applying the view definition to the current database A view materialization over a database may change as relations in the database undergo modifications In this paper a mechanism is proposed in which the view is materialized at all times The problem which this mechanism addresses is how to quickly update the view in
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response to database changes A structure is maint ...

- 3** Session: database and program conversion: Some DML 100%
 instruction sequences for application program analysis and conversion
John Nations , Stanley Y. W. Su
Proceedings of the 1978 ACM SIGMOD international conference on management of data May 1978
A set of basic instruction sequences (DBTG's DML and COBOL statements) useful for the implementation of a generalized application program conversion system to account for various types of database changes is presented. It is used to form language templates which are DML's realization of a set of data-model and schema independent access patterns useful for describing the semantics of application programs. These basic instruction sequences are also useful for enforcing a standardized programming pr ...
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Communications of the AIS June 1999
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Raja Harinath , Jaideep Srivastava , Jim Richardson , Mark Foresti
ACM Computing Surveys (CSUR) March 2000
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 Leslie Klieb
Proceedings of the 1996 ACM symposium on Applied Computing February 1996
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 Brian Bartholomew
Linux Journal January 1997
- 8** QBE/PC: the design of an integrated software system for a 100%
 personal computer
Kuan-Tsae Huang , Anthony Bolmarcich , Steven Katz , Richard Li
Proceedings of the 1986 ACM SIGSMALL/PC symposium on Small systems December 1986
Integrated software has become rather popular in recent years.

After the spreadsheet found wide acceptance among application users, many vendors rushed to integrate several well-defined business application tasks within a spreadsheet environment. Such systems, however, are limited in that they cannot replace a conventional database. Businesses must keep data in a formal database to maintain data consistency and facilitate sharing. This paper describes the design and implementation of an int ...

9 CASDAL: CASSM's Data Language 100%


 Stanley Y. W. Su , Ahmed Emam

ACM Transactions on Database Systems (TODS) March 1978

Volume 3 Issue 1


CASDAL is a high level data language designed and implemented for the database machine CASSM. The language is used for the manipulation and maintenance of a database using an unnormalized (hierarchically structured) relational data model. It also has facilities to define, modify, and maintain the data model definition. The uniqueness of CASDAL lies in its power to specify complex operations in terms of several new language constructs and its concepts of tagging or marking tuples and of matc ...

10 On verification of database temporal constraints 100%

 C. H. Kung

Proceedings of the 1985 ACM SIGMOD international conference on Management of data May 1985

11 Database performance in the real world: TPC-D and SAP R/3 100%

 Joachen Doppelhammer , Thomas Höppler , Alfons Kemper , Donald Kossmann

ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data June 1997

Volume 26 Issue 2

Traditionally, database systems have been evaluated in isolation on the basis of standardized benchmarks (e.g., Wisconsin, TPC-C, TPC-D). We argue that very often such a performance analysis does not reflect the actual use of the DBMSs in the "real world." End users typically don't access a stand-alone database system; rather they use a comprehensive application system, in which the database system constitutes an integrated component. In order to derive performance evalu ...

12 Concurrency in linear hashing 100%

 Carla Schlatter Ellis

ACM Transactions on Database Systems (TODS) June 1987

Volume 12 Issue 2

Concurrent access to complex shared data structures, particularly structures useful as database indices, has long been of interest in the database community. In dynamic databases, tree structures such as B-trees have been used as indices because of their ability to handle growth; whereas hashing has been used for fast access in relatively static databases. Recently, a number of techniques for dynamic hashing have appeared. They address the major deficiency of traditional hashing when applie ...

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